BRUHAT BANGALORE MAHANAGARA PALLIKE , YELAHANKA ZONE BANGALORE

Comparative Statement

Name of Work: Improvements to Road and Drains at Agrahara Village to Lake Road in ward No. 05 Byatarayanapura Sub Division

Sl No	Description	Unit	As per Sanctioned Estimate			As per Approved Qnatity			As per Actual Tender Rate And Quantity		
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed; disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. Specification No KBS 2.1(a) /	cum	852.85	146.88	**125266.61**	852.80 852.85	133.46	**113814.69** 113821.4	576.45	133.46	**76933.02**
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications,	Cum	196.88	264.60	**52094.45**	196.88	250.00	**49220.00**	528.53	250.00	**132132.50**
3	Removing B.S Slab of Drain and stacking Page No.25/ Item No. 5.32/ PWD SR 2014-15	Sqm	747.12	58.32	**43572.04**	747.12	50.00	**37356.00**	0.00	0.00	**0.00**
4	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2014-15	Sqm	747.12 747.28	75.6 639.36	**477780.94** 564182.27	747.12	70.00	**52298.40**	0.00	0.00	**0.00**
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No.25/ Item No. 5.31.1/ PWD SR 2014-15	**Sqm**	764.28	639.36	**488650.06**	764.28	620.00	**473853.60**	584.10	620.00	**362142.00**
6	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 1:4:8** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2014-15	**Cum**	220.35	4847.04	**1068045.26**	220.35	4500.00	**991575.00**	0.00	0.00	**0.00**

Up to 125% Tender Quntity			Above 125% Tender Quntity			As per Actual Total Amount	Exess	Savenings	Remaks
Qty	Rate	Amount	Qty	Rate	Amount				
576.45	133.46	**76933.02**	0.00	0.00	0.00	**76933.02**		36888.38 36881.67	
246.10	250.00	**61525.00**	282.43	250.00	70607.50	**132132.50**	82912.50		
0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		37356.00	
0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		52298.40	
584.10	620.00	**362142.00**	0.00	0.00	0.00	**362142.00**		111711.60	
0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		991575.00	

7	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2014-15	Cum	146.90	5847.12	**858941.93**	146.90	5500.00	**807950.00**	0.00	0.00	**0.00**
8	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2014-15	M	307.00	138.24	**42439.68**	307.00	125.00	**38375.00**	0.00	0.00	**0.00**
9	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/	Sqm	1496.00	97.20	**145411.20**	1469.00	90.00	**132210.00**	0.00	0.00	**0.00**
10	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per	Cum	385.00	1438.56	**553845.60**	385.00	1290.00	**496650.00**	581.94	1290.00	**750702.60**
11	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete	Sqm	1925.00	31.32	**60291.00**	1925.00	30.00	**57750.00**	1921.50	30.00	**57645.00**

0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		807950.00	
0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		38375.00	
0.00	0.00	**0.00**	0.00	0.00	0.00	**0.00**		132210.00	
481.25	1290.00	**620812.50**	100.69	1290.00	129890.10	**750702.60**	254052.60		
921.50	30.00	**57645.00**	0.00	0.00	0.00	**57645.00**		105.00	

12	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as	Cum	48.13	8475.84	**407942.18**	48.13	8250.00	**397072.50**	0.00	0.00	**0.00**
13	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum	852.85	68.12	**58096.14**	852.85	59.00	**50318.15**	1104.98	59.00	**65193.82**
	Extra Item										
14	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60)**	**Cum**							384.30	320.12	**123022.12**
15	KSRRB M400-7: Construction of granular sub base by providing coarse graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the	Cum							612.14	1582.58	**968760.52**
16	KSRRB 500-11: Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of	**Cum**							96.08	5841.72	**561272.46**

0.00	0.00	0.00	**0.00**	0.00			**0.00**		397072.50	
65193.82	1104.98	59.00	**65193.82**	0.00	59.00	0.00	**65193.82**	14875.67		
							0.00			
123022.12	0.00	320.12	**0.00**	384.30	320.12	123022.12	**123022.12**	123022.12		
968760.52	0.00	1582.58	**0.00**	612.14	1582.58	968760.52	**968760.52**	968760.52		
561272.46	0.00	5841.72	**0.00**	96.08	5841.72	561272.46	**561272.46**	561272.46		

Wookslip
Excess total: 3,51,840.07

17	KSRRB 500-9: providing and applying tack coat on granular base such as WBM and WMM surfaces hot bitumen primed at 10 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specifications 5, No 160/ Item No. 21.9/	Sqm							1921.50	19.08	**36662.22**
18	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification	Cum							76.86	7327.78	**563213.17**
Total					**4382377.09**			**3698443.34**			**3697679.42**

3958454.02

3698450.01

Assistant Engineer
Ward No. 05

Assistant Executive Engineer
Byatarayanapura Sub Division

.00	19.08	**0.00**	1921.50	19.08	36662.22	**36662.22**	36662.22		
.00	7327.78	**0.00**	76.86	7327.78	563213.17	**563213.17**	563213.17		
		1244251.34			**2453428.09**	**3697679.42**	**2604771.26**	**2605535.17**	
								763.92	

"Cooperative Statement Approved" (-0.06%) 6.58% Below.

Executive Engineer 14/11
Byatarayanaura Division
14/11

Chief Engineer
Yelahanka Zone
20.11.17